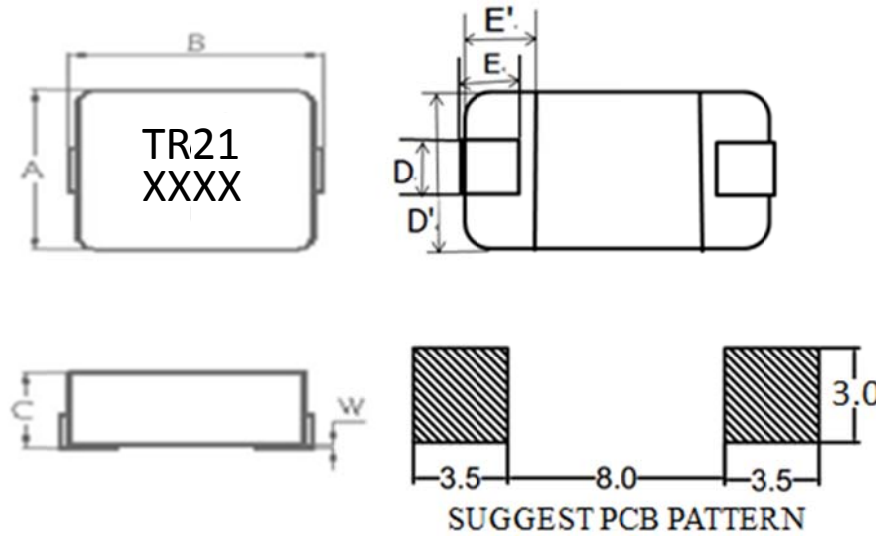
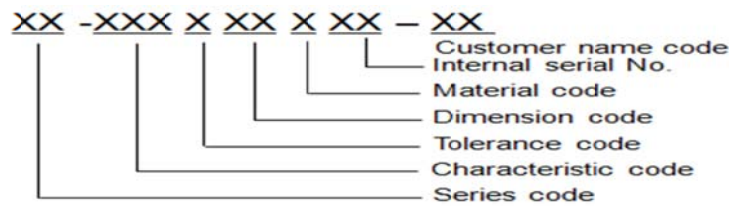


SMD Alloy Molding Power Inductor EM-89V Series (130802)

1. CONFIGURATIONS & DIMENSIONS



Code	Dimensions(mm)
A:	8.3MAX
B:	13.8 $\pm$ 0.5
C:	2.0MAX
E:	2.2 $\pm$ 0.5
E':	2.5 $\pm$ 0.2
D :	2.2 $\pm$ 0.5
D':	8.0 $\pm$ 0.3
W:	0.2+0



TOLERANCE CODE:

J:±5% K:±10% L:±15%
M:±20% N:±30%

2. SPECIFICATIONS

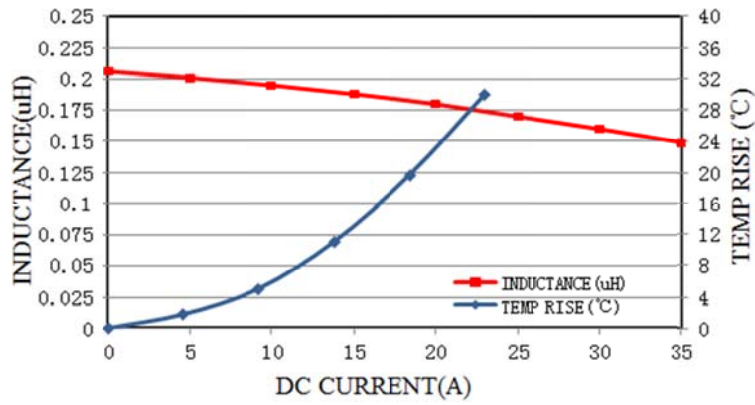
Part Number	Inductance L0(uH) $\pm$ 20% @ 0A	Irms(A) typ	Isat(A) typ	DCR(m Ω) @25°C
EM-21BM89V01	0.21	23	35	2.3max

Note:

1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25°C ambient.
3. Temperature Rise Current: ΔT 40°C approximately at Irms.
4. Saturation Rated Current: Inductance drop approximately 30% at Isat.
5. Storage temp.: -40°C ~ 85°C.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55°C ~ +125°C.
8. Special inquiries besides the above common used types can be met on your requirement.

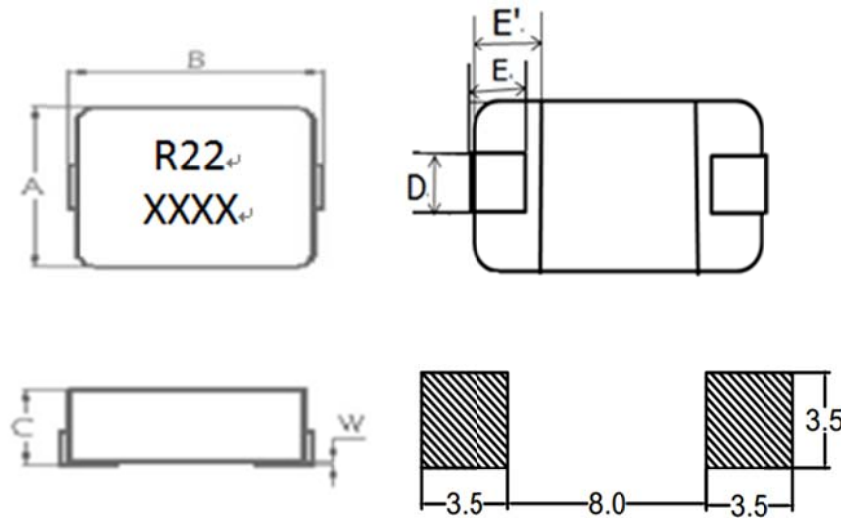
3. DC Bias Characteristics (Typical)

EM-21BM89V01

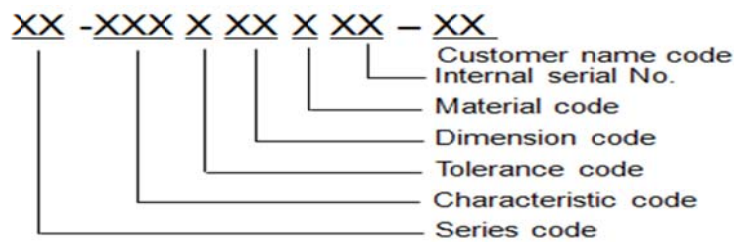


SMD Alloy Molding Power Inductor EM-92V Series (130804)

1. CONFIGURATIONS & DIMENSIONS



SUGGEST PCB PATTERN



TOLERANCE CODE:

J:±5% K:±10% L:±15%
M:±20% N:±30%

Code	Dimensions(mm)
A:	8.3MAX
B:	14.6MAX
C:	3.9MAX
E:	2.2±0.5
E':	2.5±0.2
D :	3.0±0.5
W:	0.2+0

2. SPECIFICATIONS

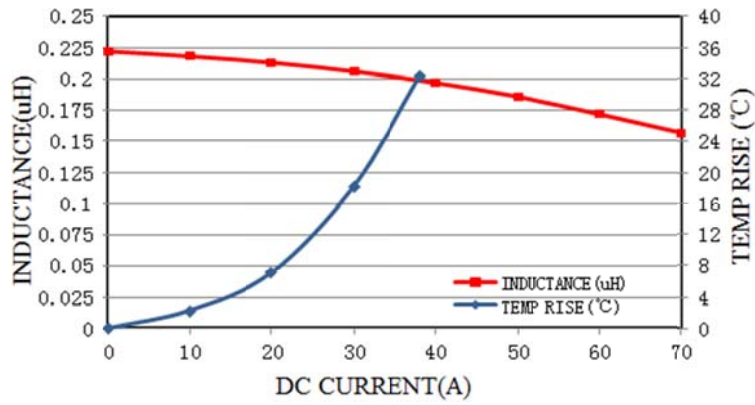
Part Number	Inductance L0(uH) ± 20%@0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-22BM92V01	0.22	38	70	1.0max

Note:

1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25°C ambient.
3. Temperature Rise Current: ΔT 40°C approximately at Irms.
4. Saturation Rated Current: Inductance drop approximately 30% at Isat.
5. Storage temp.: -40°C ~ 85°C.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55°C ~ +125°C.
8. Special inquiries besides the above common used types can be met on your requirement.

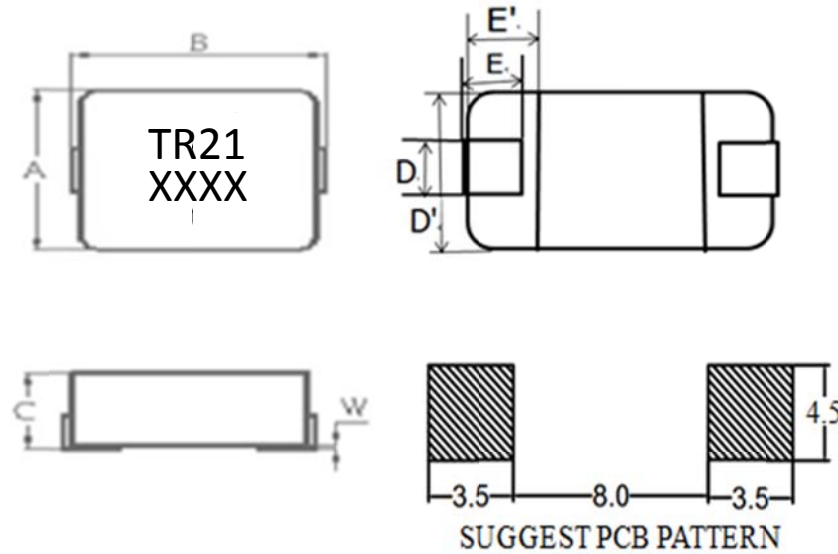
3. DC Bias Characteristics (Typical)

EM-22BM92V01

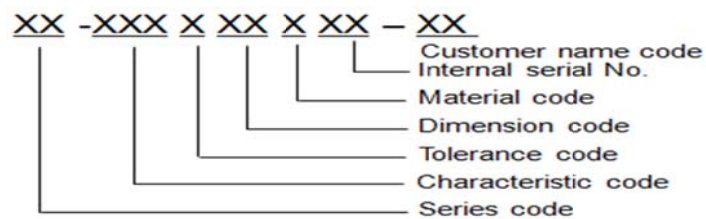


SMD Alloy Molding Power Inductor EM-79V Series (130805)

1. CONFIGURATIONS & DIMENSIONS



Code	Dimensions(mm)
A:	8.3MAX
B:	14.6MAX
C:	5.0MAX
E:	2.0 $\pm$ 0.5
E':	2.5 $\pm$ 0.2
D :	4.0 $\pm$ 0.5
D':	8.0 $\pm$ 0.3
W:	0.15 $\pm$ 0



TOLERANCE CODE:

J: $\pm$ 5% K: $\pm$ 10% L: $\pm$ 15%
M: $\pm$ 20% N: $\pm$ 30%

2. SPECIFICATIONS

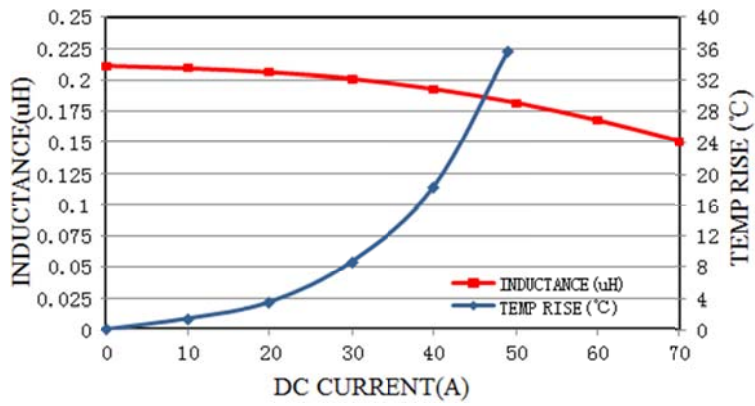
Part Number	Inductance L0(uH) $\pm$ 20% @ 0A	Irms(A) typ	Isat(A) typ	DCR(m Ω) @ 25°C
EM-21BM89V01	0.21	23	35	2.3max

Note:

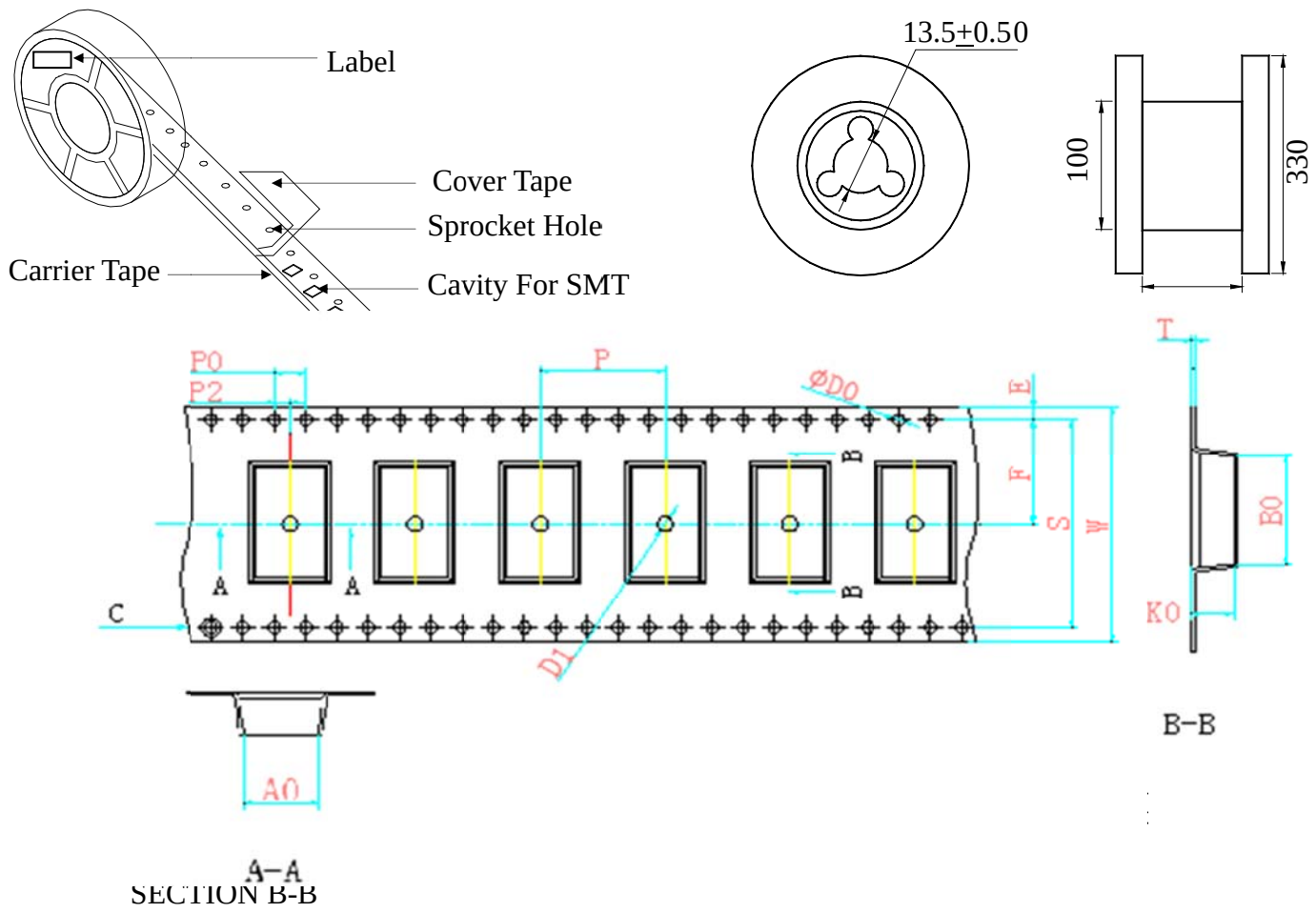
1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25°C ambient.
3. Temperature Rise Current: Δ T 40°C approximately at Irms.
4. Saturation Rated Current: Inductance drop approximately 30% at Isat.
5. Storage temp.: -40°C ~ 85°C.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55°C ~ +125°C.
8. Special inquiries besides the above common used types can be met on your requirement.

3. DC Bias Characteristics (Typical)

EM-22BM79V01



PACKAGING SPECIFICATION FOR SMD POWER INDUCTORS (unit: mm)



	W	P	E	F	A0	B0	K0	t
130802/ EM-89V	32.0+0.10/-0.30	16.0±0.10	1.75±0.10	14.20±0.10	8.6±0.10	14.3±0.10	2.3±0.10	0.35±0.05
130804/ EM-92V	32.0+0.10/-0.30	16.0±0.10	1.75±0.10	14.2±0.10	8.4±0.10	14.7±0.10	4.3±0.10	0.35±0.05
130805/ EM-79V	32.0+0.10/-0.30	16.0±0.10	1.75±0.10	14.2±0.10	8.4±0.10	14.7±0.10	5.4±0.10	0.40±0.05

	Chip / Reel
130802/EM-89V	1000 pcs
130804/EM-92V	500 pcs
130805/EM-79V	500 pcs